lenovo@DESKTOP-UGHUFCT MINGW64 ~ (main)

$ cd GitDemo

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ echo "welcome to week8" > welcome.txt

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git add welcome.txt

warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the n

ext time Git touches it

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git commit -m "Initial commit"

On branch main

nothing to commit, working tree clean

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch -a

GitNewBranch

\* main

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git checkout -b GitNewBranch

fatal: a branch named 'GitNewBranch' already exists

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git checkout -b GitNewBranchs

Switched to a new branch 'GitNewBranchs'

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitNewBranchs)

$ echo "Changes in GitNewBranchs" > branchfile.txt

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitNewBranchs)

$ git add branchfile.txt

warning: in the working copy of 'branchfile.txt', LF will be replaced by CRLF th

e next time Git touches it

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitNewBranchs)

$ git commit -m "Add branchfile.txt in GitNewBranchs"

[GitNewBranchs fde3f33] Add branchfile.txt in GitNewBranchs

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitNewBranchs)

$ git status

On branch GitNewBranchs

nothing to commit, working tree clean

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitNewBranchs)

$ git checkout main

Switched to branch 'main'

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git diff main GitNewBranch

**diff --git a/branchfile.txt b/branchfile.txt**

**new file mode 100644**

**index 0000000..817435c**

**--- /dev/null**

**+++ b/branchfile.txt**

@@ -0,0 +1 @@

+Changes in GitNewBranch

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git difftool main GitNewBranch

Viewing (1/1): 'branchfile.txt'

Launch 'vimdiff' [Y/n]? n

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git mergetool

No files need merging

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git log --oneline --graph --decorate

\* df6cfd0 (**HEAD** -> **main**) Initial commit

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch -d GitNewBranchs

error: the branch 'GitNewBranchs' is not fully merged

hint: If you are sure you want to delete it, run 'git branch -D GitNewBranchs'

hint: Disable this message with "git config set advice.forceDeleteBranch false"

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch -D GitNewBranchs

Deleted branch GitNewBranchs (was fde3f33).

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch -D GitNewBranch

Deleted branch GitNewBranch (was faca735).

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git status

On branch main

nothing to commit, working tree clean

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git status

On branch main

nothing to commit, working tree clean

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git checkout -b GitWork

Switched to a new branch 'GitWork'

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitWork)

$ echo "<greeting>Hello from branch</greeting>" > hello.xml

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitWork)

$ git status

On branch GitWork

Untracked files:

(use "git add <file>..." to include in what will be committed)

hello.xml

nothing added to commit but untracked files present (use "git add" to track)

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

git commit -m "Added hello.xml in GitWork branch"

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the nex

t time Git touches it

[GitWork 2be7d04] Added hello.xml in GitWork branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (GitWork)

$ git checkout main

Switched to branch 'main'

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ echo "<greeting>Hello from master</greeting>" > hello.xml

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git add hello.xml

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the nex

t time Git touches it

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git commit -m "Added hello.xml in main branch with different content"

[main fe70fdc] Added hello.xml in main branch with different content

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git log --oneline --graph --decorate --all

\* fe70fdc (**HEAD** -> **main**) Added hello.xml in main branch with different content

| \* 2be7d04 (**GitWork**) Added hello.xml in GitWork branch

|/

\* df6cfd0 Initial commit

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git diff GitWork

**diff --git a/hello.xml b/hello.xml**

**index 19a9274..9d60142 100644**

**--- a/hello.xml**

**+++ b/hello.xml**

@@ -1 +1 @@

-<greeting>Hello from branch</greeting>

Merging:

hello.xml

Normal merge conflict for 'hello.xml':

{local}: created file

{remote}: created file

Hit return to start merge resolution tool (vimdiff): local

3 files to edit

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main|MERGING)

$ git add hello.xml

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main|MERGING)

$ git status

On branch main

All conflicts fixed but you are still merging.

(use "git commit" to conclude merge)

Changes to be committed:

modified: hello.xml

Untracked files:

(use "git add <file>..." to include in what will be committed)

hello.xml.orig

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main|MERGING)

$ echo "\*.BACKUP.\*" >> .gitignore

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main|MERGING)

$ git add .gitignore

warning: in the working copy of '.gitignore', LF will be replaced by CRLF the ne

xt time Git touches it

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main|MERGING)

$ git commit -m "Ignored P4Merge backup files"

[main cc02d39] Ignored P4Merge backup files

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch

GitWork

\* main

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git branch -d GitWork

Deleted branch GitWork (was 2be7d04).

lenovo@DESKTOP-UGHUFCT MINGW64 ~/GitDemo (main)

$ git log --oneline --graph --decorate

\* cc02d39 (**HEAD** -> **main**) Ignored P4Merge backup files

|\

| \* 2be7d04 Added hello.xml in GitWork branch

\* | fe70fdc Added hello.xml in main branch with different content

|/

\* df6cfd0 Initial commit

 